

DALTO *digest*

OCTOBER 1965

NORWOOD, N. J.

Dalto Display For Tactical Choppers

A Dalto dual display system that presents to the pilot and gunner of a tactical helicopter simulator views of the surrounding terrain is undergoing the final phases of test and calibration before delivery to the Army at Fort Monmouth, New Jersey.

The delivery of the unit will mark the advent of Dalto into the rotary wing field.

The equipment will be used to refine flight techniques involving helicopters engaged in tactical warfare.

While present emphasis is placed upon air-to-ground combat operations, future planning calls for the use of the simulation equipment to develop air-to-air helicopter dog-fight tactics.

Tucker Names 3 To Exec Staff

Three proven executives with records of achievement in aviation and related fields were recently appointed to key positions on Dalto's management team to broaden the scope of the Company's operations and intensify the sales and diversification activities inaugurated by Arthur R. Tucker, president.

Donald Smith, named to the newly created position of executive vice president was for nine years president of Airseco Corporation, New York, designers and manufacturers of aircraft ground support equipment and automated handling systems.

Previously he was a consultant on management, and hanger design. His clients included United Air Lines, TWA, Eastern Air Lines and SAS, among others.

Don also occupied a number of executive positions with Lockheed Aircraft Service, Kennedy International Airport. At Lockheed he conceived and

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New Products, Research Boost Sales, Backlog

Dalto's sales and backlog are climbing to new highs as the result of the development and manufacture of a broad spectrum of new devices ranging from simulation equipment to train astronauts to land on the moon— NASA's Appolo project—to a computer controlled automatic carpet-processing system.

The realization of the Company's determination to diversify into

new markets and products as well as the improvement and expansion of established lines is reflected in a financial report recently mailed to stockholders.

The carpet processing system, being developed by Dalto for one of the world's largest rug and carpet manufacturers, offers the most dramatic example of the Company's diversification efforts and profit potential.

In operation the system will select from warehouse stock, measure, cut, bind, roll and tie the desired quantity of carpet and return the remainder to stock.

This type of automated handling and processing equipment is vital because each of the large regional warehouses stocks in excess of 6000 kinds of carpeting, varying in material, pattern, color, thickness and quality.

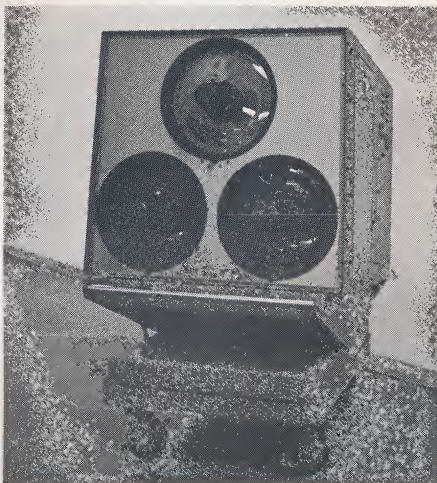
Regional carpet warehouses occupy a more important position in the industry today than in the past because retailers cannot afford to inventory the huge selection of carpets now available. Some idea of the critical need for increased efficiency and productivity in regional warehouses may be gained from the fact that a single New Jersey facility last year processed 4,000,000 square yards of carpet and anticipates an increase to 11,000,000 square yards in the current year.

Dalto will fabricate the complete system including both the punch card fed computer and the carpet processing equipment.

Backlog Expected To Top Three Million Mark

Dalto's current backlog of business, just under \$2,000,000, is expected to pass the \$3,500,000 mark when negotiations now in the final stages with a major airline and Defense Department contractor are completed.

The airline is expected to purchase a wide angle, full-circling visual approach and landing simulator system at a cost of approximately \$500,000. The second contract will run \$1,000,000 for the complete visual simulation system for a fighter aircraft.



AMPHICON "600" Amazing fidelity and brilliance are characteristics of Dalto's most powerful color television projector.

DALTOTYPES

Sales engineer Harvey Klein and wife Carolyn named their new daughter Bari Sue. Harvey was on assignment in Oklahoma City when Baby Bari arrived at Good Samaritan Hospital, Suffern, N. Y. . . . Richard Levis, engineering department, and wife Agnes, also contributed to the birth parade. Named the newcomer Cheryl . . . June Bonomolo, contracts administration, is going to have to get a smaller car or larger garage. She is having trouble keeping the two apart . . . Kathy Lane, sales, is on the verge of announcing her engagement to a boy named Jack whose last name was not available at press time . . . Dalto's bowling team is preparing to launch the new season. . . Don Smith, executive vice president is an accomplished musician; formerly led orchestras featured at the Taft, Edison and New Yorker hotels. He plays both piano and Hammond organ . . . Bob Friedman, assistant to the president, also finds relaxation in music. Plays trumpet with a small combo for fun . . . Jim Trotta, engineering, favors the Spanish guitar. Travelled to Mexico City to study classic, flamenco and basa nova styles.



READY FOR SHIPMENT: Amphicon television projectors valued at more than \$200,000. Included are monochrome model "100", and color models "330", "660".

Among the hundreds of owners of Amphicon television projectors around the world are:

The American Broadcasting Co., Aero-Med, Wright-Patterson Air Force Base, Ohio, General Electric Co., Queens College, New York City, Government of British Columbia, National Aeronautics and Space Administration at Cape Kennedy, Houston Space Center, Goddard Research

Laboratory, Langley Research Center.

Applications of the Amphicon projectors include: Executive seminars, data display, group student viewing, community viewing, inter-city conferences, metal research, entertainment.

There are more Dalto Amphicon television projectors in use than any other make.



GIANT LENS: Polishing operation on a lens 30-inches in diameter, left. Optical specialist Bill Bartlett inspects a finished product, at Dalto.

Optical Craftsmanship



DALTO digest

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employees and friends of
the Company.

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Norwood

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Tucker Names 3

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developed the first suspended aircraft hanger which is now the standard design at many major jet airports throughout the world.

He served in Naval intelligence during World War II and is a graduate of School of Science and Technology, Pratt Institute, and pursued post graduate work at Harvard Business School and Columbia University.

Robert Friedman resigned from the Link Group, General Precision, Inc., where he was manager of advanced visual systems development, to join Dalto as assistant to the president.

Before his association with Link, Bob served in executive marketing and engineering management positions with Kollsman Instrument Corp., Sperry Gyroscope Co. and Otis Elevator Co.

At Dalto, Bob is directing the Company's sales activities and coordinating all proposal efforts.

Contracts management is the responsibility of James L. Roberts. Before taking over his present assignment, Jim was assistant manager, price and contract administration, Lockheed Aircraft Service.

During his 23 years at Lockheed, Jim directed the estimating, pricing, contract negotiations and contract administration for the company. He also was management representative for Lockheed in foreign countries.

He is an Army veteran, assigned to duty as a navigator with the Air Transport Command.

He attended South Western University, Los Angeles, where he majored in business law and accounting.

Airline Simulator Will Establish Another First

A new simulator system capable of making a circling approach in full compliance with Federal Aviation Agency regulations has been developed by Dalto Electronics for use by commercial airline pilots. To date no simulator has possessed the capability of keeping the landing area in sight while maneuvering to a landing after making an approach on an alternate runway with precision landing aids.

For the first time the new Dalto device displays a full 270 degree continuous horizontal field of view, permitting the pilot the same view available to him in the cockpit of a jet liner.

Special virtual image lenses of extremely large diameter, manufactured by Dalto produce a highly realistic display.

Any airport complex may be repre-

sented by the three dimensional model incorporated in the system.

Features of the new system include:
Night or day simulation.

Airport lighting: runway border, centerline runout, high speed turnoff, narrow gauge, high intensity strobe, obstruction, (all lights in proper color).

Landing aids: ILS, GCA, coupled approach, visual glide slope (landings may be practiced without aids, or failure of aids during approach).

Weather: over-the-top, no visual references, operator selected ceiling, scud, operator selected visibility, wind enroute, surface wind, gusts, wind shear

Emergencies: asymmetrical power, power loss during landing or takeoff, radio failure, instrument failure, equipment failure, aborts, go-arounds.

LEM To Have Wide-Angle System

The visual simulation system for the Lunar Excursion Module (LEM) being developed by Dalto for training astronauts to approach and land on the moon as well as depart and rendezvous with the orbiting Apollo space vehicle is the result of significant technological advances.

Among the more important achievements by Dalto engineers:

The development and application of an extremely wide-angle optical system having the previously unobtainable combination of depth of field, resolution and speed.

Techniques for computing window coordinates of spacecraft.

Simulation of star fields possessing sufficient accuracy to permit the practice of celestial navigation procedures.

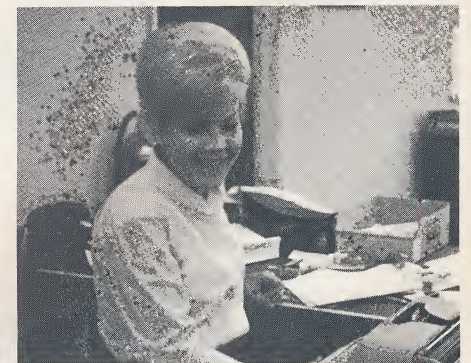
Officially named "Project Lola," the LEM simulator is one of several space visual simulators designed and manufactured by Dalto. Others include the system delivered to The Martin Co., Baltimore, and the system in production for the Massachusetts Institute of Technology.

Personalities



June Bonomolo

At work in Contracts Dept.



Gina Carlin

In the Service Dept.

Message From The President

Arthur R. Tucker

Now that we are emerging from the tribulations associated with establishing a foothold in a highly competitive age and in an industry where self-obsolescence is a constant threat, I would be remiss if I did not express my deep gratitude to our employees whose dedication, loyalty and ingenuity have made survival and subsequent progress possible.*

To a large extent, our growing strength has been nurtured by our difficulties. The costly research and development programs of the past few years have provided us with both important tech-

nical know-how and a product line that could have been attained in no other manner. We have also been able to recruit and train personnel—management, technical and manufacturing—whose teamwork and skills are among our most valued assets.

My sure conviction that we will move forward with ever increasing momentum is reinforced by the people on our staff and the ideas they generate.

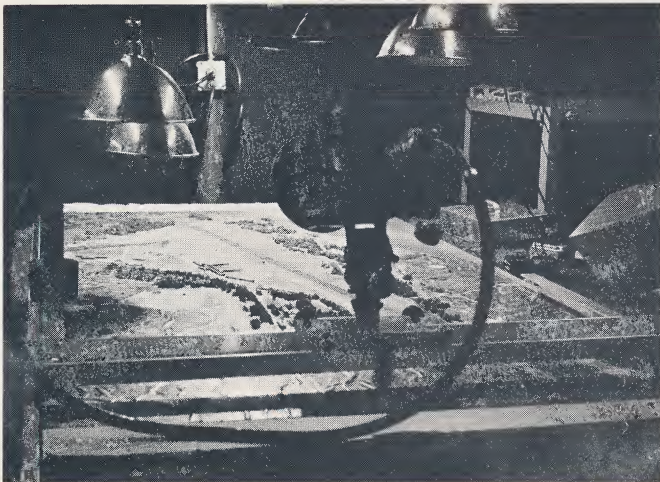
I know that the stockholders join with me in saying a loud and sincere "thank you" to the Dalto employees whose efforts are reflected in growing sales and profits.



Machine Shop fabricates precision parts for Dalto products.



Drafting Department.



Terrain Model created by Dalto Staff.



Receptionist Marge Palmieri provides lunch for Lola the Cat.